

70191-3

04-05-2011

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

70191-3

Date of Issuance:

4/5/11

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Pathway K+NEEM Insecticide-Fungicide II

Name and Address of Registrant (include ZIP Code):

Pathway Holdings, LLC
c/o BioNet International Consultants
9619 Evans Ford Rd.
Manassas, VA 20111

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 70191-3".
3. Storage stability (830.6317) and corrosion characteristics (830.6320) data must be submitted within 18 months from the date of this registration notice.

Signature of Approving Official:

Venus Eagle, Product Manager (01)
Insecticide-Rodenticide Branch, Registration Division (7505P)

Date:

4/5/11

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- ~~4. Submit one copy of the revised final printed label for the record before you release the product for shipment.~~

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. If you have any questions regarding this notice, please contact Jennifer Urbanski at (703-347-0156) or urbanski.jennifer@epa.gov.

Venus Eagle
Product Manager (01)
Insecticide-Rodenticide Branch
Registration Division (7505P)

Enclosure- Stamped Labeling

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Pathway

K⁺NEEM™ Insecticide-Fungicide II

(CONCENTRATE)

MASTER LABEL

- Sublabel A: Residential-Use (Master Label Pages 2-6)
- Sublabel B: Residential-Use in Hose-End Sprayer (Pages 7-11)
- Sublabel C: Commercial and Agricultural Use (Pages 12-20)

ACTIVE INGREDIENTS	BY WT.
Potassium Salts of Fatty Acids*	25.0%
*Derived from Neem Seed Oil	
OTHER INGREDIENTS	75.0%
TOTAL	100.0%

EPA Registration No. 70191-G
EPA Establishment No. 70191-FL-1

MADE IN THE USA BY:

Pathway Holdings, LLC
5002 US 41 North
Palmetto, FL 34221

ACCEPTED
APR 05 2011

Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended, for the
pesticide registered under:

EPA. Reg. No: 70191-3

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Pathway

K⁺NEEM™ Insecticide-Fungicide II

(CONCENTRATE)

(Listed Target Pest Graphics)

- * An easy-to-use insecticidal-fungicidal formulation of potassium soaps derived from the botanical oils of Indian Neem Tree Seeds
- * Triple action formula: for control of (1) insects, (2) mites and (3) powdery mildew on roses, flowers, ornamental trees & shrubs, vegetables, fruits, nuts and lawns
- * Get listed Insect + Mite + Fungus Control with One Product! (or "3 Garden Products in One: Insecticide, Miticide & Fungicide.")
- * Use as a spray to contact and kill listed pests (insects, mites and powdery mildew disease) on indoor plants, outdoor ornamental plants, flowers, shrubs, trees and turf, and on vegetables, fruits and nuts.
- * Controls chinch bugs & mole crickets in your lawn
- * Apply up To Day of Harvest (or "May be used up to day of harvest")
- * Also kills Powdery Mildew

(One gallon size: Concentrate makes up to 50 gallons of spray!)
 (32 Fl. Oz. size: Concentrate makes up to 12.5 gallons of spray!)

For Home & Garden Use

ACTIVE INGREDIENTS	BY WT.
Potassium Salts of Fatty Acids*	25.0%
*Derived from Neem Seed Oil	
OTHER INGREDIENTS	75.0%
TOTAL	100.0%

Keep Out of Reach of Children
WARNING
 See back panel for additional precautionary statements

NET CONTENTS: 32 Oz (or 1 Gal)

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DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its label.

READ ENTIRE LABEL. USE IN STRICT ACCORDANCE WITH LABEL DIRECTIONS & PRECAUTIONS.

IMPORTANT INFORMATION: This formulation kills listed pest mites and insects and cures powdery mildew disease on contact. Target pests include adelgids, aphids, caterpillars, earwigs, lace bugs, leaf hoppers, mealy bugs, leaf hoppers, psyllids, scale insects, sawfly larvae, spider mites, spittlebugs, thrips, and whiteflies on vegetables, fruits, tree nuts, shrubs, trees, foliage plants and flowers. This product can be applied up to day of harvest. Not for sod production. Do not use on plants grown for sale or other commercial use or for commercial seed production or for research purposes.

MIXING AND APPLICATION: Shake or stir CONCENTRATE thoroughly before use. Mix **Pathway K+NEEM Insecticide-Fungicide II** concentrate with soft water whenever possible. Always use freshly mixed solutions.

You may apply **Pathway K+NEEM Insecticide-Fungicide II** with most types of hand or power sprayers. Be certain that spray tanks, hoses, nozzles and other sprayer parts are thoroughly clean and uncontaminated by other pesticide residues before use. Read and follow the instructions for the type of sprayer you use.

TIMING APPLICATIONS: Apply on first appearance of listed pests or when insects and mites are newly hatched. Limit to a total of three spray applications, unless accumulating residues are first removed by a thorough rinsing of treated foliage.

USE RESTRICTIONS: Do not use on new transplants, recently rooted cuttings, drought-stressed plants or sensitive new growth. Never apply while plants are exposed to full sun; spray during early morning or evening hours when the temperature is below 85°C. Never reapply spray more than twice within 21 days of original treatment unless product residues have been removed by heavy rains or a thorough rinsing of treated foliage.

Certain plant varieties are more sensitive than others and sensitivity may appear after multiple applications. **Test a few inconspicuous leaves** of BALD CYPRESS, BEGONIAS, CAMELLIAS, CHRYSANTHEMUMS, CUCURBITS, DELICATE FERNS, EUPHORBIAS, FUCHSIAS, GRAPE, IMPATIENS, IVIES, PALMS, PEPPERS, POINSETTIAS, NARROW LEAF EVERGREENS, SCHEFFLERA AND SUCCULENTS, **and flowers** of AFRICAN VIOLET, AGERATUM, AZALEA, BEGONIA, CHRYSANTHEMUM, DAHLIA, GERANIUM, IMPATIENS, LILY, MARIGOLD, PANSY, PETUNIA, SALVIA, SNAPDRAGON, VINCA AND ZINNIA **for sensitivity** before application (or reapplication) to entire plant. If wilting of leaves or flowers occurs within a few hours, rinse test plants with clean water.

Do not use on drought stressed plants or on BLEEDING HEART, CROWN OF THORNS, GARDENIA, HORSE CHESTNUT, JADE PLANT, JAPANESE MAPLE, LANTANA, MOUNTAIN ASH OR SWEETPEAS, or tender new growth of conifers. Use of this product may discolor foliage of spruce or other conifers. Surface marking may result from presence of sooty molds on foliage or fruits of some plants, particularly on citrus and some varieties of pome fruits.

PROTECT POLLINATING INSECTS: unless flowers are the target of pest species, do not apply spray treatments when plants are in full bloom.

To treat INDOOR and OUTDOOR ROSES, GRAPES, LILACS, ZINNIA, CUCUMBERS or other sensitive food or ornamental plants, use a fresh spray made by dilution of the concentrate in water for contact and kill of **POWDERY MILDEW** HYPHAE, COLONIES and SPORE. Make up a 3:100 spray dilution (0.75% solution of active ingredient) with 1 part of **Pathway K+NEEM Insecticide-Fungicide II** concentrate to 32 parts water, or 8 TBS (4 oz.) of concentrate in 1 gallon of water.

On roses and ornamental plants apply to coincide with first appearance of powdery mildew disease. Thoroughly wet all surfaces of infested leaves, branches, stems and flower buds but avoid excessive runoff. Reapply at 7 to 10 day intervals as needed for continued control of disease. Limit treatments to a total of three spray applications, **unless** accumulating soap residues are first removed by a thorough rinsing of treated foliage.

Some plant varieties become sensitive after first treatment! Test a few leaves or flowers, particularly with cucumber varieties, before retreating the entire planting. If leaf and/or flower wilt occurs within a few hours, rinse test plants with clean water.

On grapes, spray to wet all plant surfaces. Begin treatment at bud break or as recommended under local conditions and repeat every 7 to 10 days to maintain control. Periodically (every 3 to 4 weeks) rinse foliage with clean water to avoid accumulation of product residues. Pathway® K+NEEM Insecticide-Fungicide II sprays can be alternated with other fungicides but do not tank mix with sulfur or apply within 5 days (before or after) of sulfur treatment (spray of dust), especially on roses and grapes.

To contact and kill most mite and insect pests, use a fresh spray made by dilution of the concentrate in water. Make up a 1:50 spray dilution (½% of active ingredient) with 1 part of Pathway K+NEEM Insecticide-Fungicide II to 50 parts water, or 5 TBS (2.5 oz.) of concentrate in 1 gallon of water.

Treat **INDOOR PLANTS** with a 1:50 spray dilution (0.5 % solution -- 1 part Conc. per 50 parts water, or 2.5 oz. conc. per gallon of water) to contact and kill **APHIDS, MEALYBUGS, SCALE INSECT CRAWLERS, SPIDER MITES, THRIPS & WHITEFLIES**. Make sure spray penetrates through dense foliage to contact pests and wets all infested surfaces. Examine plants for aphids after two days and retreat if aphids are still present. Spray at weekly intervals if other pests are still present. Treat **AFRICAN VIOLETS** to contact and kill blossom thrips by spraying all surfaces of blossoms. Treat **AFRICAN VIOLETS, SUCCULENTS OR CACTUS** for contact and kill of **ROOT MEALYBUGS** by drenching pots of infested plants with a tepid 0.4% solution (1 TBS. concentrate per quart of water).

Treat **ORNAMENTAL TREES, SHRUBS & PLANTS** in and around the home, or **FLOWERS, BEDDING PLANTS & ORNAMENTAL VEGETABLES**, grown outdoors or in greenhouses, with the 1:50 spray dilution to contact and kill **ADELGIDS, APHIDS, IMPORTED CABBAGE WORMS, CRICKETS, EARWIGS, FLEA BEETLES, GRASSHOPPERS, GREEN STINK BUGS, GYPSY MOTH CATERPILLARS, HARLEQUIN BUGS, JAPANESE BEETLES, LACEBUGS, LEAFHOPPERS, MEALYBUGS, PLANT BUGS, PSYLLIDS, ROSE SLUGS, SAWFLIES, SCALE INSECT CRAWLERS, SPIDER MITES, SQUASH BUGS, TENT CATERPILLARS, THRIPS & WHITEFLIES**.

Treat **FRUIT & NUT TREES OR BERRIES**, grown outdoors or in greenhouses, with the 1:50 spray dilution to contact and kill listed pests **up to day of harvest**. Use on **ALMOND, BEECHNUT, BUTTERNUT, CASHEW, CHESTNUT, FILBERT, HICKORY NUT, MACADAMIA NUT, PECAN & WALNUT** to kill **APHIDS & SPIDER MITES**; use on **GRAPEFRUIT, LEMON, LIME, ORANGE, TANGERINE, TANGELO & OTHER CITRUS HYBRIDS** to kill **APHIDS, SCALE INSECT CRAWLERS & SPIDER MITES**; use on **APPLE, CRABAPPLE, GUAVA, PEAR & QUINCE** to kill **ADELGIDS, APHIDS, PEAR PSYLLA, PEAR SLUG, SCALE INSECT CRAWLERS, SPIDER MITES, THRIPS & WOOLLY APHIDS**; use on **APRICOT, CHERRY, NECTARINE, PEACH, PLUM, & PRUNE** to kill **APHIDS & MITES**; use on **BLACKBERRY, BLUEBERRY, BOYSENBERRY, CRANBERRY, CURRENT, DEWBERRY, ELDERBERRY, FIG, GOOSEBERRY, GROUNDCHERRY, HUCKLEBERRY, KIWI FRUIT, LOGANBERRY, MULBERRY, PAWPAW, PERSIMMON, PINEAPPLE, RASPBERRY, SERVICEBERRY, STRAWBERRY, SUGAR APPLE & YOUNGBERRY** to kill **APHIDS & SPIDER MITES**; use on **GRAPE** to kill **APHIDS & LEAFHOPPERS**; use on exotic fruit such as **AVOCADO, BANANA, DATE, GRANADILLA, LOQUAT, MANGO, PAPAYA, PASSION FRUIT, POMEGRANATE, PRICKLYPEAR, SAPODILLA, SAPOTA, SHADDOCK & SOURSOP** to kill **ADELGIDS, APHIDS, LEAFHOPPERS, MEALYBUGS, PLANT BUGS, PSYLLIDS, SCALE INSECT CRAWLERS, SLUGS (SAWFLY LARVAE), SPIDER MITES, STINK BUGS, THRIPS, WOOLLY APHIDS & WHITEFLIES**.

Treat **GARDEN VEGETABLES**, grown outdoors or in greenhouses, with 1:50 spray dilution to contact and kill listed pests **up to day of harvest**. Use on **EGGPLANT, OKRA, PEPPERS & TOMATOES** to kill **APHIDS, SPIDER MITES & WHITEFLIES**; use on **BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, CHARD, CHINESE CABBAGE, COLLARDS, & KALE**, to kill **APHIDS, CABBAGE LOOPERS, FLEA BEETLES, HARLEQUIN BUGS, IMPORTED CABBAGEWORMS, LEAF BEETLES, LEAFHOPPERS & WHITEFLIES**; use on **CELERY, LETTUCE, MUSTARD & OTHER GREENS, RADISH, SPINACH & TURNIPS** to kill **ADELGIDS, APHIDS, CATERPILLARS, FLEA BEETLES, LEAFHOPPERS & SPIDER MITES**; use on **CUCUMBER, PUMPKIN, SQUASH & MELONS** to kill **APHIDS, FLEA BEETLES, LEAF BEETLES, LEAFHOPPERS, SPIDER MITES, SQUASH BUGS & WHITEFLIES**; use on **BEANS, PEAS & EDIBLE SOYBEANS** to kill **APHIDS, LEAFHOPPERS, GRASSHOPPERS, GREEN STINK BUGS & SPIDER MITES**.

In **GREENHOUSES & INDOOR PLANTSCAPES**, use 1:50 spray dilution to contact and kill LISTED PESTS as directed above. Use a 0.4% (active) spray solution (2 fl. oz. or 4 TBS. of concentrate per gallon of water) for contact and kill of **GREENHOUSE WHITEFLY**. **TREAT UP TO DAY OF HARVEST** to kill listed pests on greenhouse or indoor food plants (vegetables, herbs, fruits & nuts

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On **LAWNS**, use 1:50 spray dilution to contact and kill **CHINCH BUGS & MOLE CRICKETS**. Apply at rate of 1 quart of spray per 110 sq. ft. (= 1 gallon per 440 sq. ft. or 100 gallons per acre). Thoroughly water (or irrigate) treated turf at rate of 15 gallons of water per 110 sq. ft. (= 60 gallons per 440 sq. ft. or 6,000 gallons per acre) immediately after treatment. Do not let pets or children enter treated area until spray has dried.

For persistent pest problems, retreat with a fresh spray dilution of Pathway® K+NEEM Insecticide-Fungicide II at the strength specified above. Apply to contact listed pest and thoroughly wet both surfaces of infested leaves or branches.

Retreat after 2 or 3 days for continued contact and kill of **APHIDS** and **MEALYBUGS**. Spray **ADELGIDS**, **PSYLLIDS** and **SCALES** during periods of peak egg hatch and crawler activity. Spray again after 14 days. For persistent infestations of other listed pests, spray 2 or 3 times (at weekly intervals) until pest control is achieved.

USE RESTRICTIONS: For all applications, limit treatments to a total of three spray applications, **unless** accumulating soap residues are first removed by a thorough rinsing of treated foliage. **Some plant varieties become sensitive after first treatment!** Test a few leaves before repeat applications to cucurbit & pepper varieties before retreating the entire planting. If leaf or flower wilt occurs within a few hours, rinse test plants with clean water.

PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals:

WARNING Harmful if inhaled. Causes moderate eye and skin irritation. Avoid contact with skin, eyes or clothing or breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID	
If in eyes	Hold eyelids open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on skin/ clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water. Call a poison or control center or doctor for treatment advice.
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth if possible. Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-888-244-7336 for emergency medical treatment information on Monday through Friday, 9 am to 5 pm. On other days or at other hours call your poison control center.	

User Safety Recommendations: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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Environmental hazards: This product may be hazardous to aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

Bee Hazard: This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area.

STORAGE AND DISPOSAL:

Pesticide Storage: Store in cool place (preferably in a locked storage area) and keep container tightly sealed. Do not transfer or dilute into food or drink containers. Do not contaminate water, food, or feed by pesticide storage and disposal.

Pesticide Disposal and Container Handling: Nonrefillable container. *If empty:* Do not reuse or refill this container. Place in trash or offer for recycling if available. *If partially filled:* Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

Notice: Pathway Holdings, LLC, makes no warranty, expressed or implied, for any purpose other than those contained on this label. Buyer assumes all responsibility for safety and consequences of damage or injury for product use, storage, handling or application which are not in accordance with explicit label directions. THE LIMIT OF MANUFACTURER'S LIABILITY SHALL BE THE PURCHASE PRICE FOR THE QUANTITY INVOLVED. IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR SPECIAL, INCIDENTAL or CONSEQUENTIAL DAMAGES.

Manufactured and Distributed by:

Pathway Holdings, LLC.
5002 US 41 North
Palmetto, FL 34221
1-941-723-2122

EPA Reg. No: 70191-G
EPA Est. No: 70191-FL-1

|||| BAR CODE |||

Batch Code _____

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Pathway

K⁺NEEM™ Insecticide-Fungicide II

(HOSE-END CONCENTRATE)

(Listed Target Pest Graphics)

- * Easy To Use – Easy To Apply – Simply Attach Hose to Container & Spray
- * Treats up to 5,400 square feet
- * An easy-to-use insecticidal- fungicidal formulation of potassium soaps derived from the botanical oils of Indian Neem Tree Seeds
- * Triple action formula: for control of (1) insects, (2) mites and (3) powdery mildew on roses, flowers, ornamental trees & shrubs, vegetables, fruits, nuts and lawns
- * Get listed Insect + Mite + Fungus Control with One Product! (or “3 Garden Products in One: Insecticide, Miticide & Fungicide.”)
- * Use as a spray to contact and kill listed pests (insects, mites and powdery mildew disease) on indoor plants, outdoor ornamental plants, flowers, shrubs, trees and turf, and on vegetables, fruits and nuts.
- * Controls chinch bugs & mole crickets in your lawn
- * Apply up To Day of Harvest (or “May be used up to day of harvest”)
- * Also kills Powdery Mildew

For Convenient Home & Garden Use

ACTIVE INGREDIENTS	BY WT.
Potassium Salts of Fatty Acids*	25.0%
*Derived from Neem Seed Oil	
OTHER INGREDIENTS	75.0%
TOTAL	100.0%

Keep Out of Reach of Children

WARNING

See back panel for additional precautionary statements

NET CONTENTS: 16 Fl Oz

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its label.

READ ENTIRE LABEL. USE IN STRICT ACCORDANCE WITH LABEL DIRECTIONS & PRECAUTIONS.

IMPORTANT INFORMATION: This formulation cures powdery mildew disease and kills listed arthropod pests of vegetables, fruits, tree nuts, shrubs, trees, foliage plants, flowers and lawns on contact. This product can be applied up to day of harvest. Not for sod production. Do not use on plants grown for sale or other commercial use or for commercial seed production or for research purposes.

TIMING APPLICATIONS: Apply on first appearance of listed pests or when insects and mites are newly hatched. Limit to a total of three spray applications, unless accumulating residues are first removed by a thorough rinsing of treated foliage.

USE RESTRICTIONS: Do not use on new transplants, recently rooted cuttings, drought-stressed plants or sensitive new growth. Never apply while plants are exposed to full sun; spray during early morning or evening hours when the temperature is below 85°C. Never reapply spray more than twice within 21 days of original treatment unless product residues have been removed by heavy rains or a thorough rinsing of treated foliage.

Certain plant varieties are more sensitive than others and sensitivity may appear after multiple applications. **Test a few inconspicuous leaves** of BALD CYPRESS, BEGONIAS, CAMELLIAS, CHRYSANTHEMUMS, CUCURBITS, DELICATE FERNS, EUPHORBIAS, FUCHSIAS, GRAPE, IMPATIENS, IVIES, PALMS, PEPPERS, POINSETTIAS, NARROW LEAF EVERGREENS, SCHEFFLERA AND SUCCULENTS, **and flowers** of AFRICAN VIOLET, AGERATUM, AZALEA, BEGONIA, CHRYSANTHEMUM, DAHLIA, GERANIUM, IMPATIENS, LILY, MARIGOLD, PANSY, PETUNIA, SALVIA, SNAPDRAGON, VINCA AND ZINNIA **for sensitivity** before application (or reapplication) to entire plant. If wilting of leaves or flowers occurs within a few hours, rinse test plants with clean water.

Do not use on drought stressed plants or on BLEEDING HEART, CROWN OF THORNS, GARDENIA, HORSE CHESTNUT, JADE PLANT, JAPANESE MAPLE, LANTANA, MOUNTAIN ASH OR SWEETPEAS, or tender new growth of conifers. Use of this product may discolor foliage of spruce or other conifers. Surface marking may result from presence of sooty molds on foliage or fruits of some plants, particularly on citrus and some varieties of pome fruits.

HOSE-END SPRAYER DIRECTIONS:

1. *Shake container well before using.*
2. Connect a garden hose to the Ready-Spray nozzle. Make sure the dial on the nozzle is in the "OFF" position with the safety tab in the valve notch.
3. Turn on water at faucet. Extend hose to the farthest area to be treated and work back toward the faucet so you don't come in contact with the treated area.
4. To ACTIVATE sprayer:
 - A) bend the safety tab (located at right of dial) to the right,
 - B) using your other hand, turn the spool clockwise to the WATER or RINSE position.
Only water will be dispensed through the sprayer.
5. To BEGIN spraying, point nozzle toward lawn or plants to be treated and move spindle to "ON" position. Sprayer will dispense product mixed with water in this position.
6. Spray foliage until wet to control listed insects. Walk at a steady pace while spraying using an even sweeping motion, slightly overlapping treated areas. This 16 fl oz formulation will treat up to 2,700 sq ft of lawn. Calculate square feet by multiplying length by width. Refer to sight gauge to guide coverage (example: when bottle is half empty, you should have covered half the area).
7. When finished dispensing product, return spool counterclockwise to WATER or RINSE position and let run for 10 to 15 seconds to remove any residue of product.

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8. To STORE partially filled container turn spool to the "OFF" position with the safety tab in the valve notch. Disconnect from hose and place container in a secure, cool area away from heat, sunlight or open flame.

~~Contact and kill powdery mildew hyphae, colonies and spore on INDOOR and OUTDOOR ROSES, GRAPES, LILACS, ZINNIA, CUCUMBERS or other sensitive food or ornamental plants:~~

On roses and ornamental plants apply to coincide with first appearance of powdery mildew disease. Thoroughly wet all surfaces of infested leaves, branches, stems and flower buds but avoid excessive runoff. Reapply at 7 to 10 day intervals as needed for continued control of disease. Limit treatments to a total of three spray applications, **unless** accumulating soap residues are first removed by a thorough rinsing of treated foliage. **Some plant varieties become sensitive after first treatment!** Test a few leaves or flowers, particularly with cucumber varieties, before retreating the entire planting. If leaf and/or flower wilt occurs within a few hours, rinse test plants with clean water.

Pathway K+NEEM Insecticide-Fungicide II can be rotated at 7 day intervals with other curative fungicides, but do not apply within 5 days (before or after) of sulfur treatment (spray or dust), especially on roses and grapes.

Contact and kill listed mite and insect pests:

Treat **ORNAMENTAL TREES, SHRUBS & PLANTS** in and around the home, or **FLOWERS, BEDDING PLANTS & ORNAMENTAL VEGETABLES**, grown outdoors or in home greenhouses, to contact and kill ADELGIDS, APHIDS, IMPORTED CABBAGE WORMS, CRICKETS, EARWIGS, FLEA BEETLES, GRASSHOPPERS, GREEN STINK BUGS, GYPSY MOTH CATERPILLARS, HARLEQUIN BUGS, JAPANESE BEETLES, LACEBUGS, LEAFHOPPERS, MEALYBUGS, PLANT BUGS, PSYLLIDS, ROSE SLUGS, SAWFLIES, SCALE INSECT CRAWLERS, SPIDER MITES, SQUASH BUGS, TENT CATERPILLARS, THRIPS & WHITEFLIES.

Treat **FRUIT & NUT TREES OR BERRIES**, grown outdoors or in home greenhouses, to contact and kill listed pests **up to day of harvest**. Use on **ALMOND, BEECHNUT, BUTTERNUT, CASHEW, CHESTNUT, FILBERT, HICKORY NUT, MACADAMIA NUT, PECAN & WALNUT** to kill APHIDS & SPIDER MITES; use on **GRAPEFRUIT, LEMON, LIME, ORANGE, TANGERINE, TANGELO & OTHER CITRUS HYBRIDS** to kill APHIDS, SCALE INSECT CRAWLERS & SPIDER MITES; use on **APPLE, CRABAPPLE, GUAVA, PEAR & QUINCE** to kill ADELGIDS, APHIDS, PEAR PSYLLA, PEAR SLUG, SCALE INSECT CRAWLERS, SPIDER MITES, THRIPS & WOOLLY APHIDS; use on **APRICOT, CHERRY, NECTARINE, PEACH, PLUM, & PRUNE** to kill APHIDS & MITES; use on **BLACKBERRY, BLUEBERRY, BOYSENBERRY, CRANBERRY, CURRENT, DEWBERRY, ELDERBERRY, FIG, GOOSEBERRY, GROUNDCHERRY, HUCKLEBERRY, KIWI FRUIT, LOGANBERRY, MULBERRY, PAWPAW, PERSIMMON, PINEAPPLE, RASPBERRY, SERVICEBERRY, STRAWBERRY, SUGAR APPLE & YOUNGBERRY** to kill APHIDS & SPIDER MITES; use on **GRAPE** to kill APHIDS & LEAFHOPPERS; use on exotic fruit such as **AVOCADO, BANANA, DATE, GRANADILLA, LOQUAT, MANGO, PAPAYA, PASSION FRUIT, POMEGRANATE, PRICKLYPEAR, SAPODILLA, SAPOTA, SHADDOCK & SOURSOP** to kill ADELGIDS, APHIDS, LEAFHOPPERS, MEALYBUGS, PLANT BUGS, PSYLLIDS, SCALE INSECT CRAWLERS, SLUGS (SAWFLY LARVAE), SPIDER MITES, STINK BUGS, THRIPS, WOOLLY APHIDS & WHITEFLIES.

Treat **GARDEN VEGETABLES**, grown outdoors or in home greenhouses, to contact and kill listed pests **up to day of harvest**. Use on **EGGPLANT, OKRA, PEPPERS & TOMATOES** to kill APHIDS, SPIDER MITES & WHITEFLIES; use on **BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, CHARD, CHINESE CABBAGE, COLLARDS, & KALE**, to kill APHIDS, CABBAGE LOOPERS, FLEA BEETLES, HARLEQUIN BUGS, IMPORTED CABBAGEWORMS, LEAF BEETLES, LEAFHOPPERS & WHITEFLIES; use on **CELERY, LETTUCE, MUSTARD & OTHER GREENS, RADISH, SPINACH & TURNIPS** to kill ADELGIDS, APHIDS, CATERPILLARS, FLEA BEETLES, LEAFHOPPERS & SPIDER MITES; use on **CUCUMBER, PUMPKIN, SQUASH & MELONS** to kill APHIDS, FLEA BEETLES, LEAF BEETLES, LEAFHOPPERS, SPIDER MITES, SQUASH BUGS & WHITEFLIES; use on **BEANS, PEAS & EDIBLE SOYBEANS** to kill APHIDS, LEAFHOPPERS, GRASSHOPPERS, GREEN STINK BUGS & SPIDER MITES.

Treat **LAWNS** to contact and kill **CHINCH BUGS & MOLE CRICKETS**. This 16 fl oz hose-end sprayer will treat up to 2,700 sq. ft. of lawn. (See instruction #5, above.) Home lawns should be no taller than 3 inches at time of application. Wet down lawns a few hours before applying or thoroughly water (or irrigate) treated lawns at rate of 15 gallons of water per 110 sq.

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ft (= 60 gallons per 440 sq. ft. or 6,000 gallons per acre) immediately after treatment. Do not let pets or children enter treated area until spray has dried.

For persistent pest problems, retreat with Pathway K+NEEM Insecticide-Fungicide II. Apply to contact pests and thoroughly wet both surfaces of infested leaves or branches.

Retreat after 2 or 3 days for continued contact and kill of APHIDS and MEALYBUGS. Spray ADELGIDS, PSYLLIDS and SCALES during periods of peak egg hatch and crawler activity. Spray again after 14 days. For persistent infestations of other listed pests, spray 2 or 3 times (at weekly intervals) until pest control is achieved.

USE RESTRICTIONS: For all applications, limit treatments to a total of three spray applications, **unless** accumulating soap residues are first removed by a thorough rinsing of treated foliage. **Some plant varieties become sensitive after first treatment!** Test a few leaves before repeat applications to cucurbit & pepper varieties before retreating the entire planting. If leaf or flower wilt occurs within a few hours, rinse test plants with clean water.

PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals:

WARNING Harmful if inhaled. Causes moderate eye and skin irritation. Avoid contact with skin, eyes or clothing or breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID	
If in eyes	Hold eyelids open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on skin/ clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water. Call a poison or control center or doctor for treatment advice.
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth if possible. Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-888-244-7336 for emergency medical treatment information on Monday through Friday, 9 am to 5 pm. On other days or at other hours call your poison control center.	

User Safety Recommendations: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental hazards: This product may be hazardous to aquatic invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in

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calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

Bee Hazard: This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area.

STORAGE AND DISPOSAL:

Pesticide Storage: Store in cool place (preferably in a locked storage area) and keep container tightly sealed. Do not transfer or dilute into food or drink containers. Do not contaminate water, food, or feed by pesticide storage and disposal.

Pesticide Disposal and Container Handling: Nonrefillable container. *If empty:* Do not reuse or refill this container. Place in trash or offer for recycling if available. *If partially filled:* Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

Notice: Pathway Holdings, LLC, makes no warranty, expressed or implied, for any purpose other than those contained on this label. Buyer assumes all responsibility for safety and consequences of damage or injury for product use, storage, handling or application which are not in accordance with explicit label directions. THE LIMIT OF MANUFACTURER'S LIABILITY SHALL BE THE PURCHASE PRICE FOR THE QUANTITY INVOLVED. IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR SPECIAL, INCIDENTAL or CONSEQUENTIAL DAMAGES.

Manufactured and Distributed by:

Pathway Holdings, LLC.
5002 US 41 North
Palmetto, FL 34221
1-941-723-2122

EPA Reg. No: 70191-G

EPA Est. No: 70191-FL-1

|||| BAR CODE |||

Batch Code _____

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Pathway

K⁺NEEM™ Insecticide-Fungicide II

(CONCENTRATE)

(Listed Target Pest Graphics)

- * An easy-to-use insecticidal- fungicidal formulation of potassium soaps derived from the botanical oils of Indian Neem Tree Seeds
- * Triple action formula: for control of (1) insects, (2) mites and (3) powdery mildew on roses, flowers, ornamental trees & shrubs, vegetables, fruits, nuts and lawns
- * Get listed Insect + Mite + Fungus Control with One Product! (or "3 Garden Products in One: Insecticide, Miticide & Fungicide.")
- * Use as a spray to contact and kill listed pests (insects, mites and powdery mildew disease) on indoor plants, outdoor ornamental plants, flowers, shrubs, trees and turf, and on vegetables, fruits and nuts.
- * Controls chinch bugs & mole crickets in your lawn
- * Apply up To Day of Harvest (or "May be used up to day of harvest")
- * Also kills Powdery Mildew

(One gallon size: Concentrate makes up to 50 gallons of spray!)

For Commercial or Agricultural Use

ACTIVE INGREDIENTS	BY WT.
Potassium Salts of Fatty Acids* . . .	25.0%
*Derived from Neem Seed Oil	
OTHER INGREDIENTS	75.0%
TOTAL	100.0%

Keep Out of Reach of Children

WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label find someone to explain it to you in detail.)

See back panel for additional precautionary statements

NET CONTENTS: 1, 2.5, 5, 25, 55 or 250 Gal.

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DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its label. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS: Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to the uses of this product that are covered by the Worker Protection Standard.

Personal Protective Equipment: Some materials that are chemically resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Handlers who may be exposed to the diluted product through application or other tasks must wear: long-sleeved shirt and long pants, shoes plus socks.

Handlers who may be exposed to the concentrate through mixing, loading, application, or other tasks must wear: Goggles or safety glasses, coveralls over short-sleeved shirt and short pants, chemical resistant gloves such as butyl rubber, nitrile rubber, neoprene rubber or PVC, chemically resistant headgear for overhead exposure, and chemically resistant apron when cleaning equipment, mixing or loading. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: goggles or safety glasses, coveralls, waterproof gloves and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS: The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides, 40 CFR part 170. The WPS applies when product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Personal Protective Equipment: Handlers who may be exposed to the product must wear goggles or safety glasses, coveralls, waterproof gloves and shoes plus socks.

READ ENTIRE LABEL. USE IN STRICT ACCORDANCE WITH LABEL DIRECTIONS & PRECAUTIONS.

IMPORTANT INFORMATION: This formulation kills listed pest mites and insects and cures powdery mildew disease on contact. Target pests include adelgids, aphids, caterpillars, earwigs, lace bugs, leaf hoppers, mealy bugs, leaf hoppers, psyllids, scale insects, sawfly larvae, spider mites, spittlebugs, thrips, and whiteflies on vegetables, fruits, tree nuts, shrubs, trees, foliage plants and flowers. This product can be applied up to day of harvest.

MIXING AND APPLICATION: Shake or stir CONCENTRATE thoroughly before use. Mix Pathway K+NEEM Insecticide-Fungicide II with soft water whenever possible. Always use freshly mixed solutions.

You may apply Pathway K+NEEM Insecticide-Fungicide II with most types of hand or power sprayers. Be certain that spray tanks, hoses, nozzles and other sprayer parts are thoroughly clean and uncontaminated by other pesticide residues before use. Read and follow the instructions for the type of sprayer you use.

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TIMING APPLICATIONS: Apply on first appearance of listed pests or when insects and mites are newly hatched. Limit to a total of three spray applications, unless accumulating residues are first removed by a thorough rinsing of treated foliage.

WATER WITH HIGH MINERAL CONTENT MAY AFFECT SOLUBILITY OF THE CONCENTRATE. If tank water exceeds 300 ppm (or 17.5 grains) of hardness, treat the water with 8 to 32 fl. oz. of an anionic buffering and conditioning (softening) agent per 100 gallons of spray, then add concentrate to softened water. First, add 8 fl. oz. (½ pint) of conditioning agent per 100 gallons of spray. Then run a preliminary test on a 1 quart sample of the conditioned water by adding 2 tsp of concentrate. If curd, surface scum or excessive cloudiness is observed, add additional conditioning agent to your tank (in 4 fl. oz. increments, up to a limit of 2 pints or 32 fl. oz. per gallon) until concentrate addition to 1 quart samples of the conditioned water produces a uniform, light milky mixture. Use of conditioned water also reduces phytotoxicity, but applicators should test a few sample plants before full scale application whenever sensitivity of plant varieties is unknown.

FOAMING CONTROL: A defoaming agent may be required in sprayers equipped with an agitator.

WHEN USED IN COMBINATION WITH OTHER PESTICIDES: This product may be tank mixed in combination with other pesticides to increase the pest target spectrum as long as that combination does not result in formation of curd, surface scum or excessive cloudiness. Consult the tank-mix product labels for appropriate application rates and use instructions. Follow the label directions for the most restrictive of label precautions and limitations. Do not mix this product with any product which prohibits such mixing. Tank mixtures are permitted only in those states where the tank mix partner is registered. When tank mixed, add other products in the following order: water-soluble bags, wettable powders, dry flowables, liquid flowables, and emulsifiable concentrates.

Do not use this product in combination with foliar nutrients, spreader-stickers, penetrators, alkaline (cationic) based chelating agents such as EDTA or with pesticides/fungicides containing sulfur or metallic ions (such as copper, manganese, magnesium, iron, zinc, etc.)

USE RESTRICTIONS: Do not use on new transplants, recently rooted cuttings, drought-stressed plants or sensitive new growth. Never apply while plants are exposed to full sun; spray during early morning or evening hours when the temperature is below 85°C. Never reapply spray more than twice within 21 days of original treatment unless product residues have been removed by heavy rains or a thorough rinsing of treated foliage.

Maximum total commercial application rate to food crops: Do not apply Pathway K+NEEM Insecticide-Fungicide II to food crops at cumulative rates greater than 4 gallons/acre/season.

Certain plant varieties are more sensitive than others and sensitivity may appear after multiple applications. **Test a few inconspicuous leaves** of BALD CYPRESS, BEGONIAS, CAMELLIAS, CHRYSANTHEMUMS, CUCURBITS, DELICATE FERNS, EUPHORBIAS, FUCHSIAS, GRAPE, IMPATIENS, IVIES, PALMS, PEPPERS, POINSETTIAS, NARROW LEAF EVERGREENS, SCHEFFLERA AND SUCCULENTS, **and flowers** of AFRICAN VIOLET, AGERATUM, AZALEA, BEGONIA, CHRYSANTHEMUM, DAHLIA, GERANIUM, IMPATIENS, LILY, MARIGOLD, PANSY, PETUNIA, SALVIA, SNAPDRAGON, VINCA AND ZINNIA **for sensitivity** before application (or reapplication) to entire plant. If wilting of leaves or flowers occurs within a few hours, rinse test plants with clean water.

Do not use on drought stressed plants or on BLEEDING HEART, CROWN OF THORNS, GARDENIA, HORSE CHESTNUT, JADE PLANT, JAPANESE MAPLE, LANTANA, MOUNTAIN ASH OR SWEETPEAS, or tender new growth of conifers. Use of this product may discolor foliage of spruce or other conifers. Surface marking may result from presence of sooty molds on foliage or fruits of some plants, particularly on citrus and some varieties of pome fruits.

PROTECT POLLINATING INSECTS: unless flowers are the target of pest species, do not apply spray treatments when plants are in full bloom.

APPLICATIONS:

To contact and kill powdery mildew hyphae, colonies and spore on INDOOR and OUTDOOR ROSES, GRAPES, LILACS, ZINNIA, CUCUMBERS or other sensitive food or ornamental plants, use a fresh spray made by dilution of the concentrate in

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water. Make up a 3:100 spray dilution (0.75% of active ingredient) with 1 part of Pathway K+NEEM Insecticide-Fungicide II to 32 parts water, or 8 TBS (4 oz.) of Concentrate in 1 gallon of water.

Apply to coincide with first appearance of powdery mildew disease. Thoroughly wet all surfaces of infested leaves, branches, stems and flower buds but avoid excessive runoff. Reapply at 7 to 10 day intervals as needed for continued control of disease. Limit treatments to a total of three spray applications, **unless** accumulating soap residues are first removed by a thorough rinsing of treated foliage. **Some plant varieties become sensitive after first treatment!** Test a few leaves or flowers, particularly with cucumber varieties, before retreating the entire planting. If leaf and/or flower wilt occurs within a few hours, rinse test plants with clean water.

Pathway K+NEEM Insecticide-Fungicide II can be rotated at 7 day intervals with other curative fungicides, but do not tank mix with sulfur or apply within 5 days (before or after) of sulfur treatment (spray or dust), especially on roses and grapes.

To contact and kill listed mite and insect pests, use a fresh spray made by dilution of the concentrate in water. Make up a 1:50 spray dilution (½% of active ingredient) with 1 part of Pathway K+NEEM Insecticide-Fungicide II to 50 parts water, or 5 TBS (2.5 oz.) of Concentrate in 1 gallon of water.

Treat **INDOOR PLANTS** to contact and kill **APHIDS, MEALYBUGS, MITES, SCALE INSECT CRAWLERS, SPIDER MITES, THRIPS & WHITEFLIES** with 0.5 % (active) spray solution (1 part conc. per 50 parts water, or 2.5 oz. conc. per gallon of water). Make sure that spray penetrates through dense foliage to wet all infested surfaces. Examine plants for aphids after two days and respray if aphids are still present. Spray at weekly intervals if other pests are still present. Limit application, however, to three consecutive spray treatments unless treated foliage has been thoroughly rinsed to remove any accumulating product residues. Treat **AFRICAN VIOLETS** to contact and kill **BLOSSOM THRIPS** by spraying all surfaces of blossoms. Treat **AFRICAN VIOLETS, SUCCULENTS OR CACTUS** to contact and kill **ROOT MEALYBUGS** by drenching pots of infested plants with a tepid 0.4% solution (1 TBS. of concentrate per quart of water). Treat **INDOOR ROSES** and susceptible indoor plants to contact and kill **POWDERY MILDEW** spores and hyphae with 0.75 % (active) spray solution (1 part conc. per 32 parts water, or 4 oz. conc. per gallon of water). Begin spraying when first signs of powdery mildew appear; repeat every 7 to 10 days to maintain control. Periodically (every 3 to 4 weeks) rinse foliage with clean water to avoid accumulation of product residues.

Treat **ORNAMENTAL TREES, SHRUBS & PLANTS**, growing outdoors, in greenhouses, in and around the home or in interior landscapes to contact and kill these pests: **ADELGIDS, APHIDS, IMPORTED CABBAGE WORMS, CRICKETS, EARWIGS, FLEA BEETLES, GRASSHOPPERS, GREEN STINK BUGS, GYPSY MOTH CATERPILLARS, JAPANESE BEETLES, LACEBUGS, LEAFHOPPERS, MEALYBUGS, MITES, PLANT BUGS, POWDERY MIDLEW, PSYLLIDS, ROSE SLUGS, RUST MITES, SAWFLIES, SCALE INSECT CRAWLERS, SPIDER MITES, TENT CATERPILLARS, THRIPS, WHITEFLIES & WOOLLY APHIDS.**

- To contact and kill **SPRUCE WOOLLY APHID**, apply **1% (active) spray solution** (1 part product per 25 parts water or 5 oz. product per gallon of water) in fall and spring when females start to lay eggs. Do not apply to evergreens during drought or when tender new foliage is present. Check inconspicuous area of foliage for discoloration before application to entire plant.
- To contact and kill **TENT CATERPILLARS**, apply **0.75% (active) spray solution** (1 part product per 32 parts water, or 4 oz. per gallon of water) directly to young caterpillars when they congregate on the outside of their tents.
- To contact and kill **POWDERY MILDEW** on **LILACS, ROSES, ZINNIA** and other susceptible plants, apply **0.75% (active) spray solution** (1 part product per 32 parts water, or 4 oz. per gallon of water) to thoroughly wet infested evergreen foliage, twigs and branches. Wet all plant surfaces, particularly young stems, buds and upper leaf surfaces. Begin spraying when signs of powdery mildew first appear and repeat every 7 to 10 days to maintain control. Periodically (every 3 to 4 weeks) rinse foliage with clean water to avoid accumulation of product residues.
- To contact and kill **CONIFER & PINE NEEDLE SCALES**, apply **0.6% (active) spray solution** (1 part product per 40 parts water, or 3 oz. per gallon of water) to thoroughly wet infested evergreen foliage, twigs and branches. Time application for first appearance of scale insect crawlers. Do not apply to evergreens during drought or when tender new foliage is present. Check inconspicuous area of foliage for discoloration before application to entire plant.

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- To contact and kill foliage feeders, including **CABBAGE WORMS, GYPSY MOTHS** and most other **CATERPILLARS, FLEA BEETLES, GRASSHOPPERS, JAPANESE BEETLES, STINK BUGS, LACEBUGS, LEAFBUGS & ROSE SLUGS & other SAWFLY LARVAE**, apply **0.5% (active) spray solution** (1 part product per 50 parts water, or 2.5 oz. per gallon of water directly to insect and mite pests whenever present on plants. Thoroughly wet both surfaces of infested leaves and branches. Repeat treatment after 2 or 3 days for continued contact and kill of **APHIDS, MEALYBUGS & WHITEFLIES**. Use $\frac{1}{2}$ % spray to contact and kill **ADELGIDS, PSYLLIDS** and most **SCALE INSECTS** on trees and shrubs, by spraying to wet bark surfaces during periods of peak egg hatch and crawler activity. Respray after 14 days. To contact and kill **HEMLOCK WOOLLY ADELGID**, apply $\frac{1}{2}$ % solution to cover all plant surfaces. For heavy infestations or trees with heavy infestation histories, spray four times (during April/May, June, August/September, and October). To contact and kill **MITES**, including **RUST MITES & SPIDER MITES**, thoroughly wet underside of leaves and needle sheaths with $\frac{1}{2}$ % spray. Spray blossoms with $\frac{1}{2}$ % spray to contact and kill flower thrips. For contact and kill of **GRASSHOPPERS** on outdoor plants and **CRICKETS & EARWIGS** in greenhouses and indoor plantscapes, apply $\frac{1}{2}$ % spray directly on insects while they are feeding on host plants or after disturbing their hiding places.
- To contact and kill **BALSAM WOOLLY APHIDS**, apply 0.3% (active) solution (1 part product per 80 parts water, or 1.5 oz. per gallon water) to thoroughly wet foliage, twigs and branches. Time application for early spring and/or fall, when crawler stages are abundant. Respray after 10 days. Check inconspicuous area of foliage for discoloration before application to entire plant

Treat **FLOWERS, BEDDING PLANTS & ORNAMENTAL VEGETABLES AND PLANTS**, growing outdoors, in greenhouses, interior plantscapes, or in and around the home, with $\frac{1}{2}$ % spray solution (1 part product per 50 parts water, or 2.5 oz. product per gallon of water) for contact and kill of these insect pests: **ADELGIDS, APHIDS, IMPORTED CABBAGE WORMS, CRICKETS, EARWIGS, GRASSHOPPERS, GREENHOUSE WHITEFLY, GYPSY MOTH CATERPILLARS, LACEBUGS, LEAFHOPPERS, MEALYBUGS, PSYLLIDS, ROSE SLUGS, SAWFLIES, SCALE INSECTS, SPIDER MITES, TENT CATERPILLARS, THRIPS AND WHITEFLIES**.

Treat **LAWNS, GOLF COURSES, TURF & OTHER GRASSY AREAS** with a $\frac{1}{2}$ % (active) spray solution (1 part product per 50 parts water, or 2.5 oz. product per gallon of water) for contact and kill of **CHINCH BUGS & MOLE CRICKETS**. Apply $\frac{1}{2}$ % spray at rate of 1 quart per 110 sq. ft (= 1 gallon per 440 sq. ft. or 100 gallons per acre). For best results, thoroughly water (or irrigate) treated turf at rate of 15 gallons of water per 110 sq. ft (= 60 gallons per 440 sq. ft. or 6,000 gallons per acre) immediately after treatment.

Treat foliage and branches of **FRUIT, NUT OR BERRY CROPS**, grown outdoors or in greenhouses, with a $\frac{1}{2}$ % (active) spray solution (1 part product per 50 parts water, or 2.5 oz. product per gallon of water) to contact and kill listed pests **up to day of harvest**. Thoroughly wet target pests and all infested plant surfaces. Follow all Timing of Application instructions and Use Restrictions.

- Treat Tree and Bush Nuts, including **ALMOND, BEECHNUT, BUTTERNUT, CASHEW, CHESTNUT, FILBERT/HAZELNUT, HICKORY NUT, LITCHI NUT, MACADAMIA NUT, PECAN, PINE NUTS, PISTACHIO, BLACK WALNUT & ENGLISH WALNUT**, to contact and kill **APHIDS, FOLIAGE-FEEDING CATERPILLARS & SPIDER MITES**;
- Treat Citrus fruits, including **CITRON, GRAPEFRUIT, KUMQUAT, LEMON, LIME, ORANGE, ROUGH LEMON, SPANISH LIME, TANGERINE, TANGELO & OTHER CITRUS HYBRIDS**, to contact and kill **APHIDS, SCALE INSECT CRAWLERS & SPIDER MITES**;
- Treat Pome fruits, including **APPLE, CRABAPPLE, GUAVA, PEAR & QUINCE**, to contact and kill **ADELGIDS, APHIDS, PEAR PSYLLA, PEAR SLUG, SCALE INSECT CRAWLERS, SPIDER MITES, THRIPS & WOOLLY APHIDS**;
- Treat Stone fruits, including **APRICOT, CHERRY, NECTARINE, PEACH, PLUM, & PRUNE**, to contact and kill **APHIDS, FOLIAGE-FEEDING CATERPILLARS, JAPANESE BEETLES & MITES**;
- Treat Small fruits and Berries, including **BLACKBERRY, BLUEBERRY, BOYSENBERRY, CRANBERRY, CURRENT, DEWBERRY, ELDERBERRY, FIG, GOOSEBERRY, GRAPE, GROUNDCHERRY, HUCKLEBERRY, JAPANESE PERSIMMON, KIWI FRUIT, LOGANBERRY, MULBERRY, PAWPAW, PERSIMMON, PINEAPPLE, RASPBERRY, SERVICEBERRY, STRAWBERRY, SUGAR APPLE & YOUNGBERRY**, to contact and kill **APHIDS, FOLIAGE-FEEDING CATERPILLARS, JAPANESE BEETLES, LEAFHOPPERS & SPIDER MITES**;

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- To contact and kill **POWDERY MILDEW** on **GRAPES**, apply **0.75% (active) spray solution** (1 part product per 32 parts water, or 4 oz. per gallon of water) to thoroughly wet infested foliage, twigs and branches. Wet all plant surfaces, particularly young stems, buds and upper leaf surfaces. Begin spraying at bud break or as recommended under local conditions and repeat every 7 to 10 days to maintain control. Periodically (every 3 to 4 weeks) rinse foliage with clean water to avoid accumulation of product residues. This product can be alternated with other fungicides but do not use in combination with sulfur-based treatments.
- Treat Exotic, Semi-tropical or Tropical fruits, including **AVOCADO, BANANA, DATE, GRANADILLA, LOQUAT, MANGO, PAPAYA, PASSION FRUIT, POMEGRANATE, PRICKLYPEAR, SAPODILLA, SAPOTA, SHADDOCK & SOURSOP**, to contact and kill **ADELGIDS, APHIDS, LEAFHOPPERS, MEALYBUGS, PLANT BUGS, PSYLLIDS, SCALE INSECT CRAWLERS, SLUGS (SAWFLY LARVAE), SPIDER MITES, STINK BUGS, THRIPS, WOOLY APHIDS & WHITEFLIES**.

Treat leaves and stems of **VEGETABLE, CEREAL, SEED, HERB AND SPICE CROPS** grown outdoors or in greenhouses, with a **0.5 % (active) spray solution** (1 part product per 50 parts water, or 2.5 oz. product per gallon of water) to contact and kill listed pests **up to day of harvest**. Thoroughly wet target pests and all infested plant surfaces. Follow Timing of Application instructions and Use Restrictions as cited in the panel below.

- Treat fruiting vegetables, including **CHAYOTE, EGGPLANT, OKRA, PEPPERS (ALL TYPES), PIMENTO, TOMATO & TOMATILLO**, to contact and kill **APHIDS, CATERPILLARS, LEAFHOPPERS, SPIDER MITES & WHITEFLIES**;
- Treat Cole vegetables (*Brassica*), including **BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, CHARD (SWISS), CHINESE CABBAGE (BOK CHOY), COLLARDS, KALE & KOHLRABI**, to contact and kill **APHIDS, CABBAGE LOOPERS, FLEA BEETLES, HARLEQUIN BUGS, IMPORTED CABBAGEWORMS AND OTHER CATERPILLARS, LEAF BEETLES, LEAFHOPPERS & WHITEFLIES**;
- Treat leafy vegetables, including **CELERIAC, CELERY, CHINESE GREENS, CHICORY, DOCK (SORREL), ENDIVE, FENNEL, GRAPE LEAVES, LAMBSQUARTER, LETTUCE, MUSTARD, NASTURTIUM (GARDEN), ORACH, PLAINTAIN, PURSLANE, RHUBARB, RIQYETTE (ARRYGYKA), SALSIFY, SATINLEAF CAJITILLO, SPINACH, TARRO, TURNIP, WATERCRESS, WOODRUFF & YAUTIA**, to contact and kill **ADELGIDS, APHIDS, CATERPILLARS, FLEA BEETLES, JAPANESE BEETLES, LEAFHOPPERS & SPIDER MITES**;
- Treat Cucurbit vegetables, including **CANTALOUPE, CUCUMBER, CUZZI (SPAGETTI SQUASH), GHERKIN, GOURDS, MELONS (ALL TYPES), MUSK MELON, PUMPKIN, SQUASH (SUMMER & WINTER), WATERMELON & ZUCCHINI**, to contact and kill to contact and kill **APHIDS, FLEA BEETLES, LEAF BEETLES, CATERPILLARS, LEAFHOPPERS, SPIDER MITES, SQUASH BUGS & WHITEFLIES**; to treat **CUCUMBER** and these other vegetables for control of **POWDERY MILDEW** hyphae, colonies and spore, first test for plant sensitivity to a **0.75% (active) spray solution** (1 part product per 32 parts water, or 4 oz. per gallon of water). Non-sensitive plants should be sprayed at first appearance of disease as described more fully above (See text at top of label page 4.)
- Treat Legume vegetables, including **ALFALFA, BEANS, LENTILS, PEANUTS, PEAS & EDIBLE SOYBEANS**, to contact and kill **APHIDS, CATERPILLARS, LEAFHOPPERS, GRASSHOPPERS, GREEN STINK BUGS & SPIDER MITES**;
- Treat Root and Tuber vegetables, including **BEET, CARROT, HORSERADISH, PARSNIP, POTATO, RADISH, SUGAR BEET, SWEET POTATO, TURNIP & YAM**, to contact and kill **APHIDS, CATERPILLARS, LEAFHOPPERS, SPIDERMITES & WHITEFLIES**;
- Treat Bulb vegetables, including **GARLIC, LEEK, ONION & SHALLOT**, to contact and kill **APHIDS, CATERPILLARS, & SPIDERMITES**;
- Treat other vegetables, including **ARTICHOKE & ASPAGAS**, to contact and kill **APHIDS, CATERPILLARS, LEAFHOPPERS & SPIDERMITES**.
- Treat cereal crops, including **GRAHAM, OATS, RYE, SORGHAM, SWEET CORN, & WHEAT**, to contact and kill **ADELGIDS, APHIDS, CATERPILLARS, LEAFBEETLES, LEAFHOPPERS, GRASSHOPPERS, SPIDERMITES & WHITEFLIES**.
- Treat seed crops, including **CANOLA, HOPS, SAFFLOWER & SUNFLOWER**, to contact and kill **APHIDS, CATERPILLARS, LEAFHOPPERS & SPIDERMITES**.
- Treat herbs and spices, including **ANISE, BASIL, BORAGE, CARAWAY, CHERVIL, CHIVE, DILL, FENNEL, GINSENG, HOREHOUND, HYSSOP, LEMON BALM, MARJORAM, MINT, OREGANO, PARSLEY, ROSEMARY, RUE, SAGE, SAVORY, SWEET**

CICELY, TARRAGON, TAMARIND, TANSY, TARO, TURMERIC, VALERIAN & WINTERGREEN, to contact and kill **APHIDS, CATERPILLARS, LEAFHOPPERS, PLANT BUGS, SPIDERMITES, THRIPS & WHITEFLIES**.

Treat foliage of fiber crops, including **COTTON** grown outdoors with 1 gallon of Pathway® K+NEEM Insecticide-Fungicide II per acre (alone, or in tank mix) to contact and kill **APHIDS, LEAFHOPPERS, PLANT BUGS, SPIDER MITES, THRIPS & WHITEFLIES**. If concentrate is diluted, use 3 to 20 gallons of spray mixture per acre. Thoroughly wet target pests and all infested plant surfaces. Follow all Timing of Application instructions and Use Restrictions cited in the panel below.

Treat ornamental or food plants (vegetables, herbs, fruits & nuts) in **GREENHOUSES & INDOOR PLANTSCAPES** with a 0.5 % (active) spray solution (1 part product per 50 parts water, or 2.5 oz.[5 TBS.] product per gallon of water) to contact and kill **LISTED PESTS**. Thoroughly wet target pests and all infested plant surfaces. Follow all Timing of Application instructions and Use Restrictions cited in the panel below.

- Use a 0.4% (active) spray solution (2 fl. oz. or 4 TBS. of concentrate per gallon of water) for contact and kill of **GREENHOUSE WHITEFLY**. **TREAT UP TO DAY OF HARVEST** to kill listed pests on greenhouse or indoor food plants (vegetables, herbs, fruits & nuts).

TIMING OF APPLICATIONS: Apply Pathway® K+NEEM Insecticide-Fungicide II at the strength or dilution specified above, to coincide with the first appearance or emergence of the insect or mite pests, or when pest damage is first observed. Apply to contact pests and thoroughly wet all surfaces of infested leaves, branches and stems.

Retreat after 2 or 3 days for continued contact and kill of **APHIDS** and **MEALYBUGS**. Spray **ADELGIDS, PSYLLIDS** and **SCALE INSECT CRAWLERS** during periods of peak egg hatch and crawler activity. Spray again after 14 days. For persistent infestations of other listed pests, spray 2 or 3 times (at weekly intervals) until pest control is achieved.

Limit treatments to a total of three spray applications, **unless** accumulating soap residues are first removed by a thorough rinsing of treated foliage. **Some plant varieties become sensitive after first treatment!** Test a few leaves or flowers, particularly with cucurbit & pepper varieties, before retreating the entire planting. If leaf and/or flower wilt occurs within a few hours, rinse test plants with clean water.

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PRECAUTIONARY STATEMENTS

Hazards to humans and domestic animals:

WARNING Harmful if inhaled. Causes moderate eye and skin irritation. Avoid contact with skin, eyes or clothing or breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID	
If in eyes	Hold eyelids open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on skin/ clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water. Call a poison or control center or doctor for treatment advice.
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth if possible. Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-888-244-7336 for emergency medical treatment information on Monday through Friday, 9 am to 5 pm. On other days or at other hours call your poison control center.	

User Safety Recommendations: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental hazards: This product may be hazardous to aquatic invertebrates. Do not apply directly to water, areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters..

Bee Hazard: This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area.

STORAGE AND DISPOSAL

Pesticide Storage: Store in cool place (preferably in a locked storage area) and keep container tightly sealed. Do not transfer or dilute into food or drink containers. Do not contaminate water, food, or feed by pesticide storage and disposal.

Pesticide Disposal and Container Handling: Nonrefillable container.
(Alternate wording for 1, 2.5 and 5 gallon containers) Triple rinse container promptly after emptying.

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(OR use the following alternate wording for 25 gallon or larger containers) Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Do not reuse or refill this container. Place in trash or offer for recycling if available.

Notice: Pathway Holdings, LLC,. makes no warranty, expressed or implied, for any purpose other than those contained on this label. Buyer assumes all responsibility for safety and consequences of damage or injury for product use, storage, handling or application which are not in accordance with explicit label directions. THE LIMIT OF MANUFACTURER'S LIABILITY SHALL BE THE PURCHASE PRICE FOR THE QUANTITY INVOLVED. IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR SPECIAL, INCIDENTAL or CONSEQUENTIAL DAMAGES.

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